

Serial No. 10/612,872
Amendment dated November 28, 2005
Amendment to Office Action dated July 27, 2005

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A circuit board comprising:

a first plane;

a second plane;

a via spanning said first and second plane; and

an impedance component placed in said via and coupled to said first plane and said second plane
further comprising rolled carbon material having a first end and a second end.
2. (Original) The circuit board of claim 1, wherein said impedance component is a resistor.
- 3-5. (Cancelled)
6. (Currently Amended) The circuit board of claim 2, wherein said resistor comprises:

~~rolled carbon material having a first end and a second end; and~~

a first conductive cap coupled to said first end, and a second conductive cap coupled to
said second end;

wherein said first conductive cap is coupled to said first plane, and said second
conductive cap is coupled to said second plane.
7. (Cancelled)

Serial No. 10/612,872

Amendment dated November 28, 2005

Amendment to Office Action dated July 27, 2005

8. (Currently Amended) A method of adding impedance to a circuit board having a first plane, a second plane, and a via spanning said first and second plane, said method comprising:

forming an impedance component having a first conductive cap and a second conductive cap;

placing said impedance component in said via; and

coupling said first cap to said first plane and said second cap to said second plane

wherein said impedance component further comprises: rolled carbon material having a first end and a second end.

9-13. (Canceled).

14. (Currently Amended) A circuit board comprising:

a plurality of planes;

a via spanning at least two of said planes; and

an impedance component placed in said via and coupled to at least two of said planes wherein

said impedance component is a resistor further comprising:

rolled carbon material having a first end and a second end; and

a first conductive cap coupled to said first end, and

a second conductive cap coupled to said second end;

Serial No. 10/612,872

Amendment dated November 28, 2005

Amendment to Office Action dated July 27, 2005

wherein said first conductive cap is coupled to said first plane, and said second conductive cap is coupled to said second plane.

15-20. (Canceled).